

PENDING CLAIMS AS OF RCE OF 04-15-2004

1. (Previously Presented) A gray level conversion method, applied to a device comprising:

a conversion section for obtaining a conversion signal by applying a conversion process to an input signal in accordance with a first characteristic; and

a display element for executing a display with a gray level in accordance with a second characteristic with respect to a value of said conversion signal,

wherein said first characteristic is set by using said second characteristic and a third characteristic with respect to said gray level in association with said input signal, wherein said third characteristic is arbitrarily set, said method comprising the steps of:

(a) finding a value of said gray level given by said third characteristic in response to a set value of the input signal;

(b) finding said second characteristic using said conversion signal obtained from said conversion section by adopting, as said first characteristic, a characteristic that makes said input signal and said conversion signal virtually equal to each other;

(c) finding the value of said conversion signal that gives said value of said gray level found at said step (a) in accordance with said second characteristic;

(d) setting said first characteristic based on a relationship between said value of said input signal set at said step (a) and the value of the conversion signal found at said step (c).

2-3. (Canceled)

4. (Previously presented) The gray level conversion method according to claim 1, wherein said value of said input signal is a digital value in said step (d).

5. (Original) The gray level conversion method according to claim 1, wherein said display device is a liquid crystal display.

6. (Original) The gray level conversion method according to claim 5, wherein said gray level is luminance.

7. (Previously Presented) A display device comprising:
a conversion section for obtaining a conversion signal by applying a conversion process to a supplied signal in

accordance with a first characteristic, said supplied signal being one of an input signal and a digital signal;

a display element for executing a display with a gray level in accordance with a second characteristic with respect to a value of the conversion signal; and

a control section for generating said digital signal, said digital signal and said input signal being supplied to said conversion section exclusively from one another,

wherein said first characteristic is set in said conversion section based upon said second characteristic and a third characteristic with respect to said gray level in association with said supplied signal, wherein said third characteristic is arbitrarily set.

8-9. (Canceled)

10. (Original) The display device according to claim 7, wherein said display device is a liquid crystal display.

11. (Original) The display device according to claim 10, wherein said gray level is luminance.